

TW314612

Published: September 1, 1997

Title: **METHOD FOR DISPLAYING A CHARACTER IN THE WINDOW ENVIRONMENT**

Appl. No.: 85112171

Filed: October 4, 1996

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What is claimed is:

1. A method for displaying a character in the window environment, comprising the steps of:

initializing at least a dot character library and an index to generate a monochrome bitmap corresponding to the dot character library and an application program interface,

selecting the monochrome bitmap into the application program interface,

generating an address of a character in the index according to an internal code of the character,

reading out a serial number of the character according to the address,

reading out a dot number of the character in the dot character library according to the serial number,

providing the dot number to the monochrome bitmap,

storing the character from the monochrome bitmap of the computer to an object window, and

displaying the character on a display apparatus of the computer.

2. The method according to claim 1, wherein the initializing step comprises the steps of:

reading in the dot character library and an index to the computer,

generating the monochrome bitmap corresponding to the dot character library, and

generating the application program interface compatible to the computer interface.

3. The method according to claim 1, wherein in front of displaying the character,

further comprises a step of:

transferring the monochrome bitmap to a correspondent color according to a color setting.

4. The method according to claim 1, wherein in front of reading in the dot character library and the index to the computer, further comprises steps of:
storing at least a plurality of Chinese characters of a dot character in a word file,
and
generating the dot character library and the index corresponding to the dot character, wherein
the index is arranged in an encoding order of the character.

5. The method according to claim 1, wherein after displaying the character, further comprises a step of:
releasing the dot character library, the index, the monochrome bitmap, and the application program interface.

6. The method according to claim 5, wherein the releasing step further comprises steps of:
releasing the dot character library and the index,
releasing the monochrome bitmap, and
releasing the application program interface.

7. The method according to claim 1, wherein the character is a Chinese character.

8. A method for displaying a Chinese character in the window environment, comprising the steps of:
reading in at least a dot character library and an index to the computer,
generating a monochrome bitmap corresponding to the dot character library,
generating an application program interface compatible to the computer interface,,
selecting the monochrome bitmap through the application program interface,
generating an address of a Chinese character in the index according to an internal code of the Chinese character,
reading out a serial number of the Chinese character according to the address,
reading out a dot number of the Chinese character in the dot character library

according to the serial number,
providing the dot number to the monochrome bitmap,
storing the Chinese character from the monochrome bitmap of the computer to an object window,
transferring the monochrome bitmap to a correspondent color according to a color setting, and
displaying the character on a display apparatus of the computer.

9. The method according to claim 8, wherein in front of reading in the dot character library and the index to the computer, further comprises steps of:
storing at least a plurality of Chinese characters of a dot character in a word file, and
generating the dot character library and the index corresponding to the dot character, wherein
the index is arranged in an encoding order of the Chinese character.

10. The method according to claim 8, wherein after displaying the character, further comprises a step of:
releasing the dot character library, the index, the monochrome bitmap, and the application program interface.

11. The method according to claim 8, wherein the releasing step further comprises steps of:
releasing the dot character library and the index,
releasing the monochrome bitmap, and
releasing the application program interface.

中 華 民 國 專 利 公 報 (19)(12)

(11)公告編號：314612

(44)中華民國86年(1997)09月01日

發 明

全 3 頁

(51)Int. Cl.⁶ : G06F17/40
G09G5/04

(54)名 稱：視窗環境下之文字顯示方法

(21)申 請 案 號：85112171

(22)申請日期：中華民國85年(1996)10月04日

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1

2

[57] 申請專利範圍：

1. 一種文字顯示方法，係使用於一電腦之視窗環境下，包含下列步驟：
初使化至少一點陣字庫和一索引，以產生一對應於該點陣字庫之一單色位元圖及一應用程式界面；
將該單色位元圖選入該應用程式界面中；
根據一文字之內碼，以產生該文字於該索引中的一位址；
根據該位址，讀出該文字之一序號；
根據該序號，讀出該文字於該點陣字庫內之一點陣數值；
將該點陣數值賦予該單色位元圖；
從該電腦內之該單色位元圖，將該文字儲存至一目標視窗內；及
顯示該文字於該電腦之一顯示裝置。
2. 如申請專利範圍第1項之方法，其中上述初使化步驟包含下列步驟：
讀入該點陣字庫和該索引至該電腦內；
產生對應於該點陣字庫之該單色位元圖

- ；及
產生該應用程式界面，其中該應用程式界面和該電腦之介面相容。
3. 如申請專利範圍第1項之方法，於顯示該文字前，更包含一步驟：
根據一顏色設定，將該單色位元圖轉換為相對應之顏色。
4. 如申請專利範圍第1項之方法，於讀入該點陣字庫和該索引至該電腦之前，更包含下列步驟：
儲存至少一點陣之多數個漢字於一文字檔；及
產生對應於該點陣的該點陣字庫和該索引，其中該索引係以該文字之編碼順序排列。
5. 如申請專利範圍第1項之方法，於顯示該文字後，更包含一釋放步驟以釋放該點陣字庫、該索引、該單色位元圖及該應用程式界面。
6. 如申請專利範圍第5項之方法，其中上

述之釋放步驟包含：

釋放該點陣字庫及該索引；

釋放該單色位元圖；及

釋放該應用程式界面。

7. 如申請專利範圍第 1 項之方法，其中上述之文字為一漢字。

8. 一種漢字顯示方法，係使用於一電腦之視窗環境下，包含下列步驟：

讀入至少一點陣字庫和索引至該電腦內；

產生對應於該點陣字庫之一單色位元圖；

產生一應用程式界面，其中該應用程式界面和該電腦之介面相容；

將該單色位元圖選入該應用程式界面中；

根據一漢字之內碼，以產生該漢字於該索引中的位址；

根據該位址，讀出該漢字之一序號；

根據該序號，讀出該漢字於該點陣字庫內之一點陣數值；

將該點陣數值賦予該單色位元圖；

從該電腦內之該單色位元圖，將該漢字儲存至一目標視窗內；

根據一顏色設定，將該單色位元圖轉換為相對應之顏色；及

顯示該漢字於該電腦之一顯示裝置。

9. 如申請專利範圍第 8 項之方法，於讀入該點陣字庫和該索引至該電腦之前，更包含下列步驟：

儲存至少一點陣之多數個漢字於一文字檔；及

10. 產生對應於該點陣的該點陣字庫和該索引，其中該索引係以該漢字之編碼順序排列。

10. 如申請專利範圍第 8 項之方法，於顯示該漢字後，更包含一釋放步驟以釋放該點陣字庫、該索引、該單色位元圖及該應用程式界面。

11. 如申請專利範圍第 10 項之方法，其中上述之釋放步驟包含：

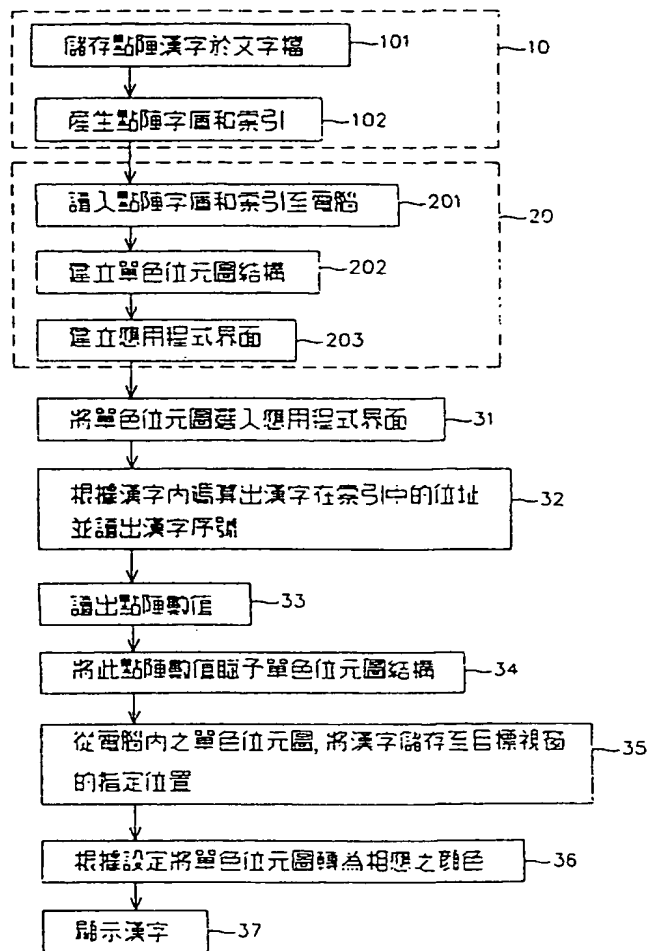
釋放該點陣字庫及該索引；

釋放該單色位元圖；及

20. 釋放該應用程式界面。

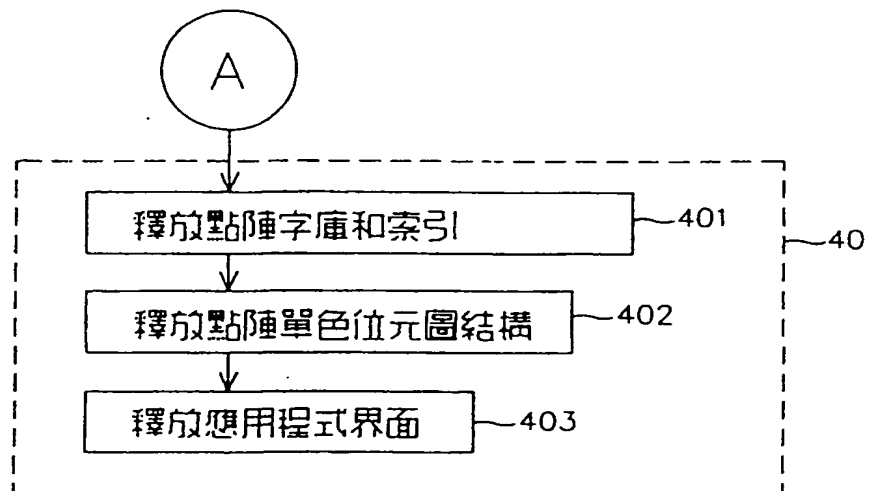
圖示簡單說明：

第一 A 圖及一 B 圖顯示本發明之詳細流程圖。



第一圖 A

A



第一圖 B

